

BRF PHASE IV MINOR MAINTENANCE

Deficiencies similar in nature to the below items are normally discovered and corrected during the course of a Phase IV inspection-maintenance cycle.

ELECTRICAL

- General Alarm System- Repaired hand operated contactor to operate bells and lights.
- Ship's Lighting – Breaker in lighting panel trips – Troubleshoot and replaced bad light socket in that circuit.
- Emergency Diesel Generator – Will not start – Repaired over speed switch.
- Engineer's Watchcall System – Cannot communicate from Engine Room to any other stations- Replaced cord on sound powered phone handset.
- Capstan – Replaced missing bolts securing operating pedestal to deck and repaired E-stop switch.
- Starboard Constant Tension – Will not operate from Port side with remote controller – Repaired cable plug on controller.
- Starboard Steering Gear – Inoperable – Repaired wire connection on directional valve solenoid.
- Forward Stores Crane – Inoperable – Replaced limit switch.
- Forward Ship's Service Air Compressor – Inoperable – Replaced breaker in MCC.
- Navigation Lights – Inoperable – Troubleshoot and replaced On/Off toggle switch in control panel.
- Rudder Angle Indicator – Erratic / Inoperable – Disassembled and cleaned stator on transmitter synchro motor.
- Fire Pump Motor – Insulation / Megger reading is too low – Disassembled motor and replaced open heater.

MECHANICAL

- Steel Hydraulic Line- Line ruptured during steering gear test – A new line was made and installed.
- Emergency Diesel Generator – Electric Starter fails to engage flywheel – New starter was installed.
- Lube Oil System Piping – Flange gasket blew out during system check – New gasket was made and installed and oil disposed of according to Hazmat guidelines.
- Ship Service Air Compressor – Compressor does not have sufficient lubrication to perform tests – Replenished oil sump with new oil.
- Soot Blower Motor – Motor fail to rotate during test – Motor was removed and overhauled and installed.
- Lube Oil Pump – Coupling failed during lube oil system check- A new coupling was installed.
- Lube Oil Discharge Gauge – Gauge is showing inaccurate readings – Installed new gauge.
- Fuel Oil Piping – During Phase IV Inspection piping was found leaking oil – Installed pipe patch.

DECK / RIGGING

- Mooring Winch – Inoperable – Adjusted clutch.
- Hydraulic Piping – Piping on OPDS hose reels leaking – pipe was repaired.
- 14" Crossover Valve – Valve seized – Disassembled repacked and installed.
- Constant Tension Winch – Brake will not release – Brakes were reworked.
- Anchor Windlass – Wildcat clutch engaging ram missing – Replaced missing ram
- Life Boat – Will not operate in the down position – Davit wheels were freed.
- Hydraulic Hatch Cover – Will not open – Adjusted hydraulic pump.
- Water Tight Door – Will not close – Adjusted hand pump.
- Cargo Boom – Will not operate in the up position – Adjusted brake, freed up.
- Hydraulic Pump – Will not pressure up – Replaced bad seals.
- Fire Damper – Will not operate – Disassembled and freed up.
- Accommodation Ladder – Winch Leaks – Replaced gasket.
- Life Boat Davit Seized - Disassembled and lubricated.
- Lower Block Sheave on Accommodation Ladder – Seized – Disassembled block and lubricated sheave bearings.